DOBERSKY, P.; PECHOVA, I.; HORACKOVA, E.; PARIZIOVA, J.; VAVRIHKOVA, H.; techn. spoluprace KLUSONOVA, H.; STORKOJA, H.

Metabolism in obese subjects. Cesk. gastroent. vys. 16 no.3/4:230-237 Ap 162.

1. Ustav pro vyskum vysivy lidu v Prase, reditel doc. MUDr. J. Masek, DrSc.

(DIET REDUCING)

Our experience in disinfection work. Veterinarias 32 no.7:79-82 Jl *55. (NIBA 8:9) 1.Director Zaporoshskoy oblastnoy veterinarno-takteriologicheskoy laboratorii.

(DISINFECTION AND DISINFECTANTS)

THE THE CHARLEST WINDOWS STREET, THE STREET STREET,

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723220006-9

PHRIS, V.F.; 'KLUSOV, I.A.

Automatic machine for sorting piece goods by weight. Iss. takh, no.1:57-60 Ja-7 57. (MEA 10:4)

(Sorting devices)

THE REPORT OF THE PROPERTY OF

KLUSOV, I. A.

Klusov, I. A. (Tuln). Application of Statistical Methods in Investigating the Accuracy and Stability of Automatic Checking and Sorting Machines p. 152

Interchangeability, Accuracy and Measuring Nothods in Machine Building, Moscow, Meahgiz, 1955, 251 pp. (Sbornik Emuchno-tekh. obshch. mashinostroitel'moy promyshlemosti, Lemingradskoye obsast pravleniya, km. 47).

This collection of articles deals with the topics discussed at the 3rd Leningrad Soi. and Engineering Conference on Interchangeability, accuracy and Inspection Methods in Machine-building and Instrument-making, held 18-22 Mar 1957.

and experimental study of the accuracy and stability of importance of the control-sorting automatic machine with measuring devices of the mechanical type."

Tula, 1958, 12 pp, 1 separate the of formula,

(Min of digher Education USSR. Tula Mechanical Inst) 160 co ies (KL, 29-58, 132)

- 56 -

507/123-59-16-69162

Translation from, Referativnyy shurnal, Mashinostroyeniye, 1959, Mr 16, p 81 (USER)

AUTHOR:

Klusov, I.A.

TITLE

Problems of Adjusting Automatons for the Checking of Weights of Industrial

PERIODICAL: Tr. Tul'sk. mekhan. in-ta, 1958, vyp. 8, 44-50

ABSTRACT:

The article has not been reviewed.

Card 1/1

	PMASE 1 BOOK EIPLOFATION SOV/236)	And Processes, Valle, Drives and Cantrol Spites for Process Makinery Heacew, Ind-ro AN Adda, 1956. 770 p. Errain alip () immeriae. 5,000 cepies princed.	Mar V.I. Divashin, Academiciani Ma. of Publiching Souce: D.H. Laffe; Toell. Mar. L.P. Mar'ein.	PURCHE: This best is intended for engineers dealing with suits. Relies of vertues mediate-building pressures.	COVERAGE This is the second relate of transactions of the second Conference on Overall Nothanisation and Automation of Namical Second Sec	complite of three parts, the first dealing with astemation of angineering measuring mathems. The sabless discussed include addressis entire, inspection	methodo for automatic production lines, in-pressed inspection derives, ophilatism of electrosite is ustabling lines: menduling promote, and mention for automatic inspection of	bearing rease. The second part deals with entemnist drives and control systems for precess manifesty, including appli-	mention to the section of the section of metalestical mention of the section of t	dering appeted, imposite applifices and their use in automatic appeted, in professional clives, and information in the base dealers of actions of mentions and quies.	returnion lines. The miljers. Indexing, and General-bodies.	dering the Land Consessoft. Automate Control of Dissesting is heading	Although A.E. Determine Options Conditions for Controlling the Read Discusses of Machine Parts	Montanilla, M. Ja. (Cents princelancy). Inspective Nelbods 17	Descetably, Yo. R. Standard Davison for dallin Control yo	Tithman, 1,2, Application of Rectrates in Automoting Linear by	- Elemente laspection and Statistical Cheening of Sons	Milan Sales for R. Prinatio. Specioses Gained in Develop.	Militar L.L. Digital Computers in Automatic Control of Pro-	Coldinguistic facilities Problems Concerning Digital Control of	ž	the believilly of being	in the Control of Industry of Gas then Proposed Converters Rottes for the Proposed of Industry Montrol of Industry Speeds by the Proposed	Maxilla V.As Contralled Stantio Drive for Relationshing Legitory, 8.1. Presidents of the Theory of Researches of		
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AUTHOR:

Klusov, I. A.

TITLE:

Calculating the setting time of checking and sorting automatic

machines

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 3, 1961, 4, abstract

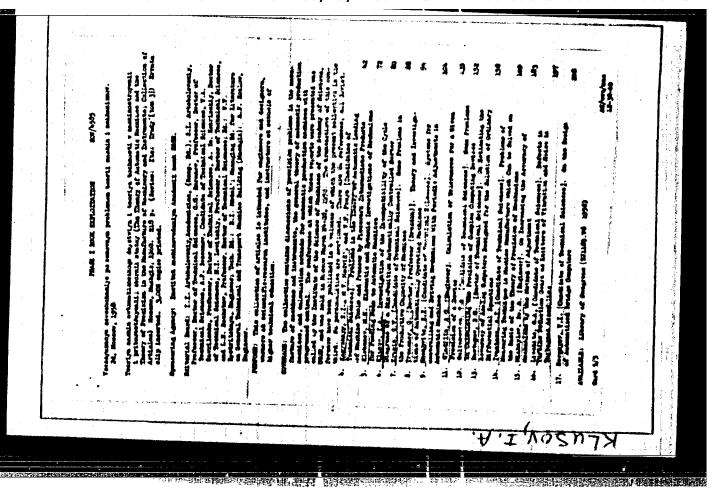
3E26. ("Tr. Tul'sk. mekhan. in-ta", 1959, no. 17, 101-103)

TEXT: The author gives an account and presents formulae to calculate the time necessary for the setting of multi-position checking and sorting automatics. It is pointed out that the setting time of automatics depends on the method employed for the setting of the measuring positions, structure of automatic, given operation pace, number of measuring positions and sorting groups, as well as on the quality of attendance of the automatics. It is necessary to establish the dependence between the optimum output capacity of the automatics, the given setting accuracy of the measuring positions and the minimum setting time.

R. Skulkova

[Abstractor's note: Complete translation]

Card 1/1



AUTHORS:

Preys, V. F., and Klusov, I. A. Candidate of Technical Sciences

TITLE:

Conference on Production Automation and Automatic Machines Held by Higher Education Institutions in Tula

PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, 1960, No. 10, pp.57-59

TEXT: The conference was convened in June 1960 at Tul'skiy mekhanicheskiy institut (Tula Mechanical Institute) and reflected the development in the industry of the Tula economic region. Doctor of Technical Sciences Professor S. I. Artobolevskiy read the major report in plenary session - "The Theoretical Principles of Comprehensive Mechanization" and stressed that the problem has to be solved by higher technical schools. Tula Sovnarkhoz Chairman I. M. Kratenko spoke of mechanical shield propping used in Moscow region coal mines, and of the first results of work with automated coal cutting machine sets with these shields. Secretary of the Tula CPSU oblast' committee, O. A. Chukanov, outlined the experience of the Tula region enterprises with production automation and the further progress outlook. Much interest was shown in a report by Candidate of Technical Sciences L. N. Koshkin (of Tula Mechanical Institute) on automation of

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production process by the application of rotary transfer machines and their practical use at the industrial plants in Tula. Doctor of Technical Sciences Professor M. I. Slobodkin (Tula Mechanical Institute) reported on the theory of mechanization and automation in mining, and an analytical theory of rock dislodging developed by him. The section of cyclic automaticn headed by Doctor of Technical Sciences Professor M. A. Mamontov heard, among others, the following particularly interesting reports: by Candidate of Technical Sciences Docent B. M. Podchufarov (of Tula mechanical Institute) - "The Dynamics of Cyclic Automation", and by Engineer A. N. Kuturov (of same institute, TMI) - "Electric Simulation of the Motion of Leading Link in Cyclic Automatics". Prof. Mamontov informed in his closing speach on work being done by him and his staff members in the general field of machine dynamics in development of a theory of similarity (being developed by Academician A. A. Andronov) including quasi-dimensional and quasiscale transformations as well as affine and conformal converters. He considers the electro-simulating method as one of the similarity-method variations. The section of automatic lines, headed by Candidate of Technical Sciences Docent V. F. Preys, heard reports by Candidate of Technical Sciences Docent Ragozin (of TMI) -

Card 2/8

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"On the Problem of Automatic Lines (and) Comprehensive Automation in Machine Industry"; Professor D. V. Charnko (of Mosstankin) - "The Structural System of Development of Production Operations, and Its Laws"; Engineer R. A. Georgalin (of OPI) - "Application of the Automatic Transfer Line Theory". Candidate of Technical Sciences V. F. Preys informed on the theory of calculation and designing for automatic loading-orienting hopper devices developed by him, and the results of an experimental study and engineering calculation of these devices. Candidates of Technical Sciences, I. A. Klusov and V. F. Preys, informed in a joint report on the results of a theoretical and experimental investigation into the productivity of rotary machines and automatic rotary lines. Two reports concerned the design of automatic production lines for plastics - by Professor A. I. Zimin of MVTU im. Baumana (MVTU im. Bauman), design with model press mold, and by Engineer Ye. N. Frolovich (of TMI), design with rotary machines. Both these design trends were evaluated as major achievements. Section of automation of work processes in machine production was headed by Candidate of Technical Sciences Docent-S. A. Ragozin and heard the following reports. By Candidate of Technical Sciences Docent I. A. Koganov (of TMI) - on machining flat surfaces on standard unit

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3/118/60/000/010/008/008

Conference on Production Automation and Automatic Machines Held by Higher Education Institutions in Tula

machine tools and transfer machines by a complex milling method". By Engineer V. V. Mazurkevich (of MAMI) - on a device for rapid approach of grinding heads in automated grinding of cuts. By Engineer P. F. Yashchenko (of MAMI) - on a study of measuring and controlling devices with pneumo-electric contact transmitters for circular grinders. By Engineer I. A. Nemirovskiy (of TPI) - on experimental static characteristics of uni-coordinate hydraulic copying devices for automation of lathe operations. By Candidate of Technical Sciences F. N. Podurayev (of MVTU im. Bauman) - on vibrational turning of metals in automatic machine lines and automatic machine tools. By Engineer A. C. Tuktanov (MVTU im. Bauman) - on automated small-diameter hole drilling in stainless steel. By Engineer V. M. Karpov (MVTU im. Bauman) - on development of radioactive inspection instruments for automation of production processes. In the section for machine tool program control, guided by Professor Ya. M. Khaymovich, scientific workers exchanged experience. Doctor of Technical Sciences Professor L. M. Kaufman (of Mosstankin) informed on transmitters and electric circuits of tracer-less program control systems. Professor Ya, M. Khaymovich (TMI) reported on simulating devices for filling-in magnetic program tapes and for direct control of machine tools. Engineer G. M. Sheynin (TMI) - read a report on the shape of bent tape interpolat-

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ing the curve passing set points in a simulating device. Engineer V. P. Cornev (MVTU im. Bauman) informed on a simple and reliable program-controlled machine tool design developed at MVTU. Engineer A. Ye. Zverev (MVTU) described a measuring system of his design watching the motion of program-controlled machine tool parts. Docent V. F. Karneyev and Engineer N. S. Anishin informed on modernization of lathes and milling machines converting them into program-controlled ones developed at the Tula Mechanical Institute. Candidate of Technical Sciences Docent E. I. Shekhwits and Engineer V. K. Tsatsenkin reported on work in progress at MEI with electric step motors in program control systems. Engineer O. N. Trifonov (Stankin) spoke of his hydraulic system design that may provide the basis for the design of a hydraulic step motor. Candidate of Technical Sciences Docent Polyanskiy (of Avtomekhanicheskiy institut (Automechanical Institute) informed on a new circular grinder developed by the Institute, automatically setting itself for operation corresponding to machining allowance. Engineer V. A. Puzyrev described a program-controlled coordinated table for vertical drilling machines. designed at the Tula Mechanical Institute. Delegates of the Polytechnical Institutes of Gor'kiy and Rostov informed briefly on work with program control at

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their institutes. The section for automation of mining machines and mechanization of mining, headed by Doctor of Technical Sciences Professor M. T. Siebzikin, heard the greatest number of reports at this conference. Results of theoretical and experimental investigations of dislodging coal and rocks with cutters and of the effect of loading rate in the process were given in reports by Doctor of Technical Sciences Professor E. I. Slobodkin (TMI) and Senior Lecturer N. N. Shemarin (TMI), and in co-reports of N. G. Shmonkin, F. Z. Krasnovskiy and B. V. Arshinov. Candidate of Technical Sciences V. V. Nikulin (TMI) reported on the problem of automated stoping machines: development of an easily controlled drive, calculation of optimum work conditions, and automatic computers for control. This work is in progress in cooperation with Kopeyskiy zavod (Kopeysk Plant) that is leading in the RSPSR in mamufacturing stoping machines. Many reports concerned the problems of electric drives. Candidate of Technical Sciences I. N. Golomidov (SGI) informed on a regulated electric drive for super-power excavator with electromechanical amplifier of longitudinal field; Candidate of Technical Sciences Docent V. A. Kutlunin (TMI) - on automation of pulling-up of hoisting containers by transformation of the armature current frequency of the hoist motor; Docent

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M. I. Kurchaninov (TMI) - on automatic installations at new mines in the Moscow Basin under construction; Candidate of Technical Sciences V. M. Arshinskiy (SOI) - on self-adjusting automatic control system for magnetic separation process; Engineer V. F. Shukaylo (KhOI) - on accidental processes in mining machines. Engineer S. T. Mil'kovitskiy informed on research and designing work in the filld of mine shaft drilling done at the UKRNIIProyekt institute of the Gosplan of the UkrSSR. The section of automation and mechanization of foundry work, under guidance of Candidate of Technical Sciences I. P. Fominykh, heard reports on the results of research and the practical application of these results. Information on automated molding lines with sandblast pressing machines and automatic knockout units in foundries was given in reports by Candidate of Technical Sciences Docent B. V. Rabinovich and Engineer G. M. Orlov (MAMI). Engineer K. S. Rudakov (TMI) spoke on the application of rotary transfer machines in foundry work. Problems of full mechanization with automatic control in the core-making process with complex cores were discussed in the report by Engineer A. V. Valyunevich (MIS), and of shell mold casting in mechanized process in the report of Engineer M. D. Malegin (MIS), Candidate of Technical Sciences Docent I. P. Fominykh and Engineer

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Tsvelen'yev (TMI) described the results of comprehensive mechanization of thin-wall casting production process in bags ("v koshelyakh") and the problems of mechanization and automatic control in the annealing process of malleable cast iron in methodical furnaces with speeded graphitization. Using boron-bismuth additives, or a modifier consisting of five component elements that has been worked out at Tul'skiy kombaynovyy zavod (Tula Combine Plant), [Abstracter's note: the components are not given] graphitization of malleable cast iron in annealing of KY 38-10 (KCh 38-10) grade can be completed in 17 hours. The maximum wall thickness may be no more than 35 mm. General success has been noted in the Conference resolution. It was stressed that more test laboratories at the schools of higher learning are needed. The suggestion has been made to include the subjects "Principles of Production Automation", "Automation of Control" and "Automation and Telemechanics" in the programs of higher technical education institutions.

Card 8/8

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723220006-9 \$/122/61/000/004/007/007 D211/D305

AUTHOR:

Klusov, I.A., Candidate of Technical Sciences

TITLE:

The constructional and technical-economic characteristics of automatic rotating turnet machines and

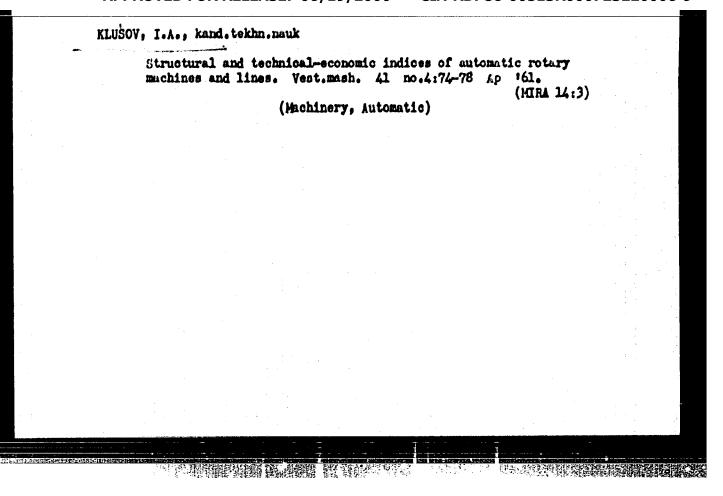
automatic mass production lines

PERIODICAL:

Vestnik mashinostroyeniya, no. 4, 1961, 74-78

TEXT: The author describes the automatic lines operating on the principle of combining the working and transport - ANCOT (ALSUI), or the so-called automatic rotary lines. Advantages of these are discussed, and the following topics are treated: rigid connection between the operations, high continuity of working, intervals of flow, number of flows and nomenclature, exploitation coefficient (i.e. the ratio of actual productivity to theoretical productivity), regimes of working, equal operational productivity, efficiency of the use of ALSOT. There are 3 figures and 7 Soviet-bloc references.

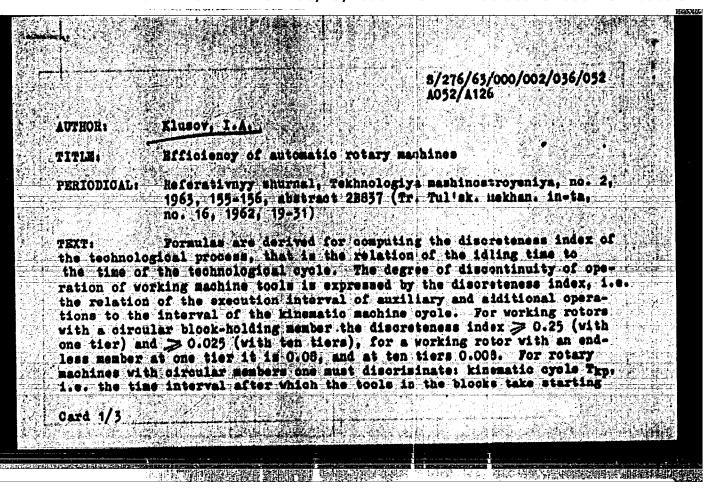
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KLUSOV, I.A., kand.tekhm.nauk, dotsent; PASTUKHOV, O.A., inh.

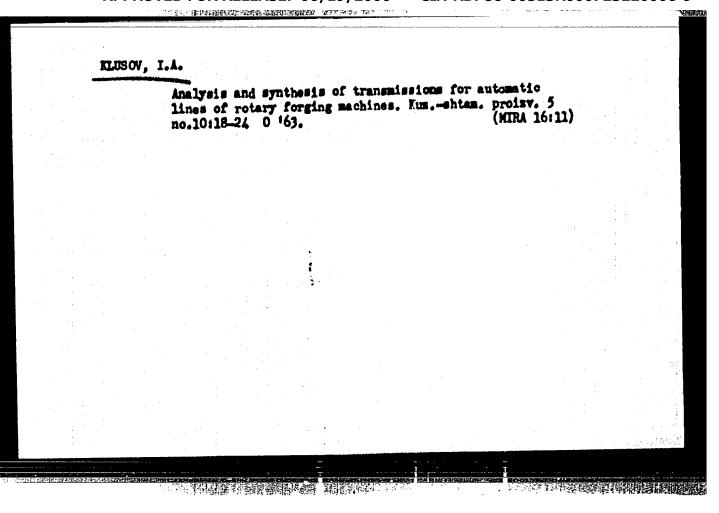
Interprovincial conference on automatic rotary lires in Tula. Vest.mash. il no.11:81-82 N '61. (HIRA 14:11) (Machine tools) (Automation)

Synthesis of transfer-type machine tools. Makh.i avton.proisv.
16 no.7:15-20 Jl '62. (Machine tools)



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,	the power consumed in the working rotor for handling of semi-fini	shed pro-	
	ducts must be repeated. The relation between the cycles is Tk	1. 2	
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	rotary machine assigned to handle semi-finished products of sever	at de-	
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	v, is for transport travel speeds of semi-finished products in on	4001 100	
	and transport rotor; h, is the linear pitch (the distance between blocks or clamps) of the working or transport rotor; us is the nu	mber of	
	tool blocks for handling semi-finished products of different deno	minations	
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ERTOHOLIVSKIY, S.I., doktor tekhn. nauk, prof. [deceased]; KUECV, I.A., kand. tekhn. nauk, dotsent; UNINUV, V.G., inch.

Energy investigation of power drives of automatic angingering machines. Izv. vys. ucheb. zav.; maspinostr. no.2:174-86 [64.]

[MIRA 17:5]

1. Tul'skiy mekhanicheskiy institut.

5/022/64/000/006/0071/0074 ACCESSION NR: APHOLO665 AUTHOR: Klusov, I. A. (Candidate of technical sciences, Docent) TITLE: The reliability of rotary automatic lines SOUHCE: Vestnik mashinostroyeniya, no. 6, 1964, 71-74 TOPIC TAGS: assembly line, statistical distribution, maintenance cycle, production ABSTRACT: A general study was made to establish quantitative reliability estimates for the purpose of maintaining production standards on rotary assembly lines. The quantitative reliability magnitude H is given as the sum of the theoretical reliability level H1 and the deviation H2, caused by changes arising during execution of a given plan, work-range, actual operation of the plan, etc. A utilization factor β is defined whose magnitude is predetermined by the combined time of unit intervals Tn of automatic line efficiency recovery, or $T_0 = \sum c_0 = T_0 (1-\beta) = T_0 \left(1 - \frac{\Pi_0}{\Pi_0}\right)$ where T_0 - normalised operation time, T_T , T_0 - theoretical and actual consump-规数

ACCESSION NR: APHOLO665

tion in pieces/min. Loss of efficiency in the assembly line is attributed to breakdown, failure, and wear. Removal from service of various parts caused by any of the above three conditions is assumed to be an independent event, thus allowing one to write an expression for useful service time for the rotary line element $\rho(t) = k_1 p_1(t) + k_2 p_2(t)$

where k_i - normalizing coefficients; p_1 , p_2 , p_3 - distribution functions corresponding to lifetime before breakdown, failure, and wear, respects ely. The k^i s are determined experimentally as the ratio of elements removed from service to the total number of elements N. A joint statistical distribution law is then established for a single instrument on the assembly line given by $p_i(t) = k_i \log (-\lambda t) + \frac{1}{2}$

$$+\frac{h_{2}}{\sqrt{2\pi}} \exp \left[-\frac{(\ell-v_{p})^{2}}{2v_{s,p}^{2}}\right] + \frac{1}{2}$$

 $V_{2\pi} e_{i\pi}$ [$2e_{i\pi}$].

- mean square deviation, λ - parameter for breakdown distribution function.

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ACCESSION NR: APLIOLOG65

The reliability H_{\geq} (t) of all the assembly lines is then given as a function of the reliability H_{\perp} (t) per element. The time consumed in replacing a defective element in the assembly line is divided into several subintervals, and it is shown that automatic replacement effectively shortens this time. A maintenance cycle period is then introduced and shown to depend on replacement time, durability of the instrument, and number of rotors in the assembly line. The analysis is completed by introducing a factor of safety coefficient, a coefficient to allow for unnecessary replacements of otherwise normal pieces, and as underload factor. Orig. art. has: 18 formulas and 2 tables.

ASSOCIATION: none

SUBMITTED: 00

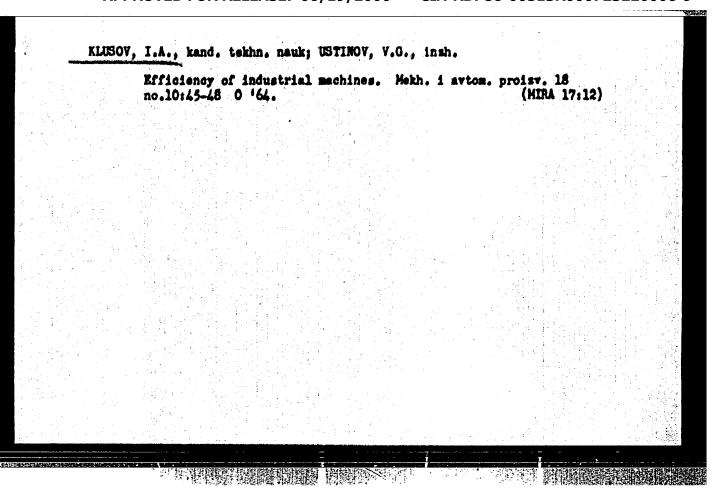
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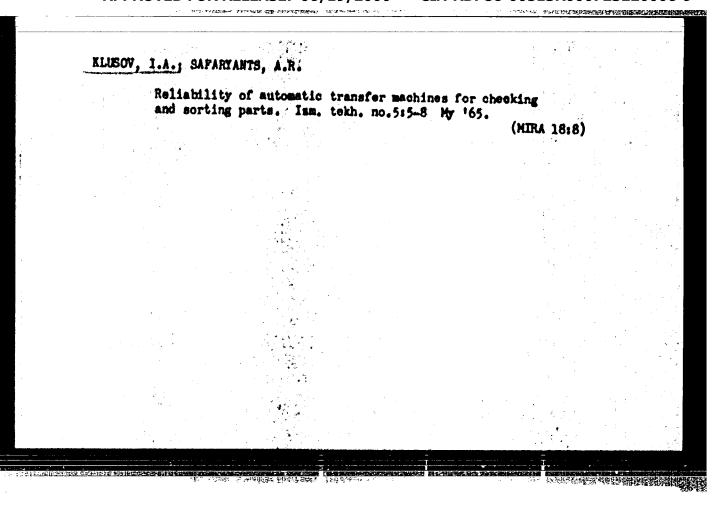
SUB CODE: IE

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OTHER: 000

Cord 3/3





ACC NR. AT7007358

SOURCE CODE: UR/0000/66/000/000/0233/0242

AUTHOR; Klusoy, I. A.

ORG: None

TITLE: Basic problems in the theory of automatic rotary production lines

SOURCE: Soveshchaniye po avtomatizatsii protsessov mashinostroyeniya. 4th, 1964. Avtomatizatsiya protsessov svarki i obrabotki davleniyem (Automation of welding and pressure treatment processes); trudy soveshchaniya. Moscow, Izd-vo Nauka, 1966, 233-242

TOPIC TAGS: industrial automation, production engineering

ABSTRACT: The author discusses the fundamental problems involved in the theory and design of automatic production lines consisting of rotary machines, i. e. machines which combine finishing and transfer processes operating along a continuous closed plane or three-dimensional trajectory. The basic theory of this type of automation is outlined, fundamental concepts are defined and synthesis of rotary transfer machines and production lines is analyzed. Problems of productivity, reliability and efficiency are considered. Analysis of experimental data shows that the reliability of rotary automatic production lines may be increased by stepping up the quality of machining units and improving the conditions under which they must operate. Orig. art. has: 2 figures, 1 table, 22 formulas.

SUB CODE: 13/ SUBM DATE: None/ ORIG REF: 009

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Cord 1/1

Mass sport training in small units. Voen.vest 35 no.5:89-91 My '55.
(Russia-Army-Sports) (MIRA 9:7)

ELUSOV, B.V. Simplification of the worker's accounts. Tekst. Pros. 16 no.11:62 N 156. 1. Hachal'nik Planovege otdela Hove-Pistsevskogo l'nokombinata. (Textile industry-Accounting) (Wages)

KLUSOV, Y. A., (Ing.)

Ing. Y. A. Klusov, "Investigation of the Deviation of the Cyclic Diagram of an Automatic Sorter with Six Positions."

paper presented at the 2nd All-Union Conf. on Fundamental Problems in the Theory of Machines and Mechanisms, Moscow, USSR, 24-28 March 1958.

COUNTRY	Gultivated Plants. Industrial. Oleiferous. M Sugar. 1 NZhBiol., MA. 3, 1959, No. 11017	
AUTHOR INST. TITLE	The Cotton Graving of Hexico (A Brief Economic Survey).	
orio. Pub.	: Khlopkovodstvo, 1958, No. 1, 59-61	.:
ABSTRACT	; lio abstract.	
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ABSOLUTE FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723220006-9

Gas industry of Mexico. Gas.prom. 4 no.6:52-54 Je 159.

(MIEA 12:8)

(Hexico-Gas, Matural) (Mexico-Petroleum)

KLUSS, T.

Kluss T.

Kluss T., Emg. "The Reduction of Angles Keasured with Optional Methods into a Full Series of Directions." (Zmiana katow mierzonych dowolnymi metodani w pelna serie kierunkow). Przeglad Geodezyjny, No. 6-7, 1950, pp. 178-194, 9 figs., 2 tabs.

The problem of station equalizing on incomplete series by the exact Bessel's method and by Helmert's method. This can be obtained by use of the system of equipollent equations of errors. Some caisi of observation of various angles with a various number of directions: weights of angles and of directions. The effect of station equalizing with the directions of more or less equal weights can be obtained by a proper selection of additional directions (auxillary) and by properly combining them with previous directions (real).

SO: Polish Technical Abstracts - No. 2, 1951

一位共和4位,1975年的1970年

Kluss, t.

"The adjustment of systems by means of azimuths." Pt. 2, p. 100. (Przeglad Geodezviny. Vol. 9, no. 4, April 1953. Warszawa.)

SO: Monthly List of East European Accessions, Vol. 3, Nos. 2, Library of Congress, February 1954, Uncl.

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KIJUSS, T.

Auxiliary numerical tables for transposition of peopraphic coordinates according to Professor Milbert's method.

P. 107 (FRACE. HOCKEDINGS) Poland, Vol 5, No. 1, 1957.

So: Nonthly Index of East European Acessions (AFEI) Vol. C, No. 11, November 1957.

8/035/62/000/010/112/128 A001/A101

AUTHOR

Kluss, Tadeuss

TITLE:

Transformation of coordinates

PERIODICAL:

Referativnyy zhurnal, Astronomiya i Geodeziya, no. 10, 1962, 35 - 36, abstract 100188 ("Compte rendu 1-er sympos. internat. calcula geod. Cracovie, 1959", Cracow, 1961, 139 - 152, German)

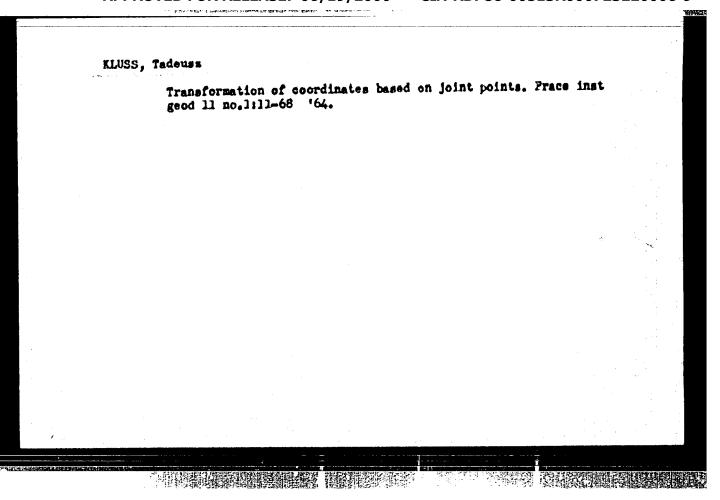
TEXT: The author uses the term "transformation" in a wide sense. He considers the methods of coordinate transformation at geodetic works, based on cracowian calculus. With a reference to Milbert ("Geod. i kartogr.", 1952, cracowian form for distances up to 500 km (an example of transforming polar cracowian form for distances up to 500 km (an example of transformation of coordinates into rectangular ones). Further are given: a) transformation of spheroidal and Gauss-Krueger coordinates into geographic coordinates and vice spheroidal and Gauss-Krueger coordinates into geographic coordinates; c) dinates with an intermediate transformation into geographic coordinates; c) dinates with an intermediate transformation into geographic coordinates; c) recalculation of Gauss-Krueger coordinates from one three-degree zone into the other one. Numerical examples and calculation schemes are presented for the

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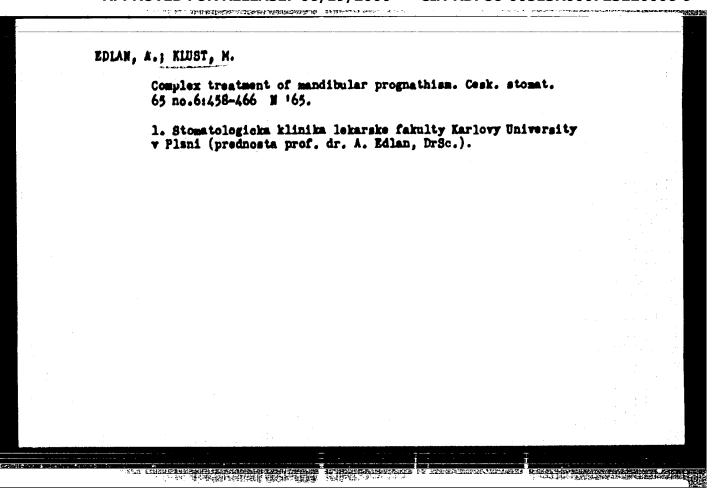


BUTAKOV, A.A.; SHAWLEVA; V.M.; IRKHO, O.G.; ROZHINA, L.I.; KLUSS, Yu.A.;

AKSTUTICH, Yu.A.

Conference of the readers of the periodical Plesticheskie messy.

Plast, messy no.4179 '65. (MIRA 18:6)



CZECHOSLOVAKIA

UDC: 612.766.1:612.014.4.9

KVETENSKY, Josef, LtCol, MD; KLUST, Vaclay, LtCol, MD; ZACRALEK, Alois, LtCol, MD; VLCEK, Lubos, MD; HLAUCO, Stanislav, Maj, MD; HUBES, Vaclay

"Effects of a 100-Kilometer Nonstop March on the Human Organism."

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 5, Oct 66, pp 194-197

Abstract [Czech, Russian and English summaries, modified]: A brief preliminary evaluation of some changes in the organisms of persons after a 100-km nonstop march. Although in most cases the changes were insignificant, such a march is fatiguing; only physically fit persons should be allowed to participate; check-ups and medical supervision during the march should be mandatery. A tabulated statistical evaluation is presented of the before-and-after dynamometric measurements, vital capacity, blood pressure and pulse rate. Seven Soviet-bloc refs.

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ZAORALEK, A.; KVETENSKY, J.; KLUST. Y.; HLAUCO, S.; DOSTALOVA, H.; Laboratory Department (Laboratorni Oddeleni), Head (Vedouci) Dr. A. ZAORALEK;
Internal Department (Vnitrni Oddeleni) Head (Vedouci) Dr J. KVRTENSKY; Department of Medical Aspects of Sports (Sportovne Lekarske Oddeleni) Head (Vedouci) Internal Department (Vnithil Cutos (Sportovne Lekarske Oddeleni) Head (Vedouci) ment of Medical Aspects of Sports (Psychiatricke Oddeleni) Head (Vedouci) ment of Medical Aspects of Sports (Psychiatricke Oddeleni) Head (Vedouci) Ment of Medical Aspects of Sports (Psychiatric Department (Psychiatricke Oddeleni) Head (Vedouci) Ment of Medical Aspects of Sports (Psychiatricke Oddeleni) Head (Vedouci) Ment of Medical Aspects of Sports (Psychiatricke Oddeleni) Head (Vedouci) Ment of Medical Aspects of Sports (Psychiatricke Oddeleni) Head (Vedouci) Ment of Medical Aspects of Sports (Psychiatricke Oddeleni) Head (Vedouci) Ment of Medical Aspects of Sports (Psychiatricke Oddeleni) Head (Vedouci) Ment of Medical Aspects of Sports (Psychiatricke Oddeleni) Head (Vedouci) Ment of Medical Aspects of Sports (Psychiatricke Oddeleni) Head (Vedouci) Ment of Medical Aspects of Sports (Psychiatricke Oddeleni) Head (Vedouci) Ment of Medical Aspects of Sports (Psychiatricke Oddeleni) Head (Vedouci) Ment of Medical Aspects (Psychiatricke Oddeleni) Head (Psychiatricke Oddeleni) Hea Uprising (SNP), Rusomberok.

"Some Hematological and Biochemical Symptoms Caused by Excessive Exertion"

Prague, Vojenske Zdravotnicke Listy, Vol 35, No 4, Aug 66, pp 152-155

Abstract: Influence of a march of 100 km on 12 healthy subjects was investigated; the absolute number of neutrophil granulocytes increased, and of eosinophils decreased. Non-segmented neutrophils and Rieder's form of lymphocytes increased, blood level of EFA, cholesterol, and the beta fraction of blood proteins decreased. The level of ionorganic P and the activity of serum transaminases increased. 5 Figures, 57 references [not specified/.

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KLMENTYS, Mieszyslau, Mgr. inz. (Byten, clust: 5.50 Carmer, Alexander, Mgr.inz. (Byton, Poland); Biol., Gerant, Inc. (Byton, Jolena).

> Technological development and its officet on labor productivity in copper mining in folund. Budy 12 no.7/8:242-245 Ji-121/4 (H 34 17:5)

GLOWACZ, Kazimierz, ins.; KLUSZCZYNSKI, Aleksander, mgr., inz.; SEMENTISKI,
Boguslaw, dr., ins.

Mining of nonferrous ores in Yugoslavia. Pt.3. Rudy i metale
6 no.12:551-559 D '61.

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SUWALA, Edward; PORABKA, Eryk; KLUSZCZYNSKI, Aleksander

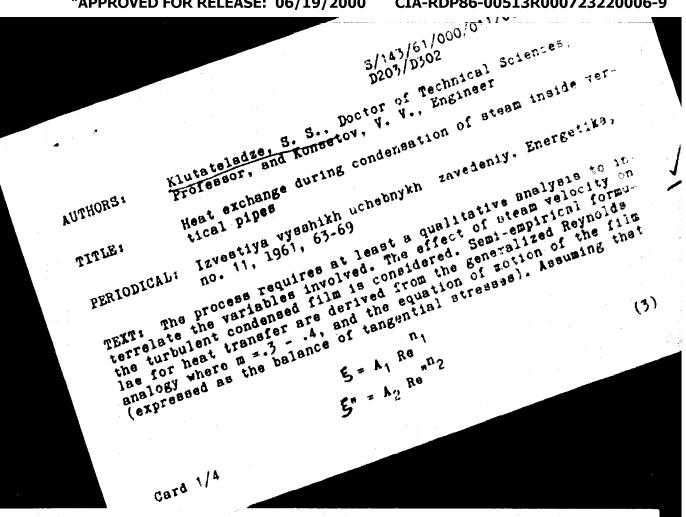
Address of the General Meeting of the Association of Mining Engineers and Technicians to Wladyslaw Gomulka, First Secretary of the Central Committee of the Polish United Workers Party. Wiadom gorn 15 no.5:150 My'64.

1. Presidium of the General Meeting of the Association of Mining Engineers and Technicians.

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Heat exchange during ...

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the latter is first reduced to a dimensionless form. Suffix I refers to water. Suffix 2 and double prime refer to steam. The general formula for heat transfer is deduced and simplified for the cases of small steam velocity (v = 0) and high steam velocity, The authors then consider the flow in a vertical pipe with a constant density q of heat flow through the cooling surface and deduce equations for the heat transfer. Mean coefficients of heat transfer de were found by the authors experimentally for high pressures (30 to 40° C) steam and high heat loads ($10^{5} - 1.2 \times 10^{6} \text{ kcal/m}^{2}/\text{hr}$) and for the evaporation coefficient h = 0 - 15%. The dimensions of the pipe were: d = 10 mm, 1 = 2.2 and 3.2 m. Gravity must be taken into account if $\frac{2}{3}$ $\lesssim 3$. For this case the nest transfer equation was te

$$\frac{\alpha c}{\alpha t_0} = 1 + 0.045 \left(\frac{x^2}{y}\right)^{0.3} \frac{w_0^2}{3\sqrt{3}}$$

simplified to

Heat exchange during ...

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On the basis of this the existing experimental data are generalized For $\frac{2}{2}$ ≤ 3 the simpler equation

$$\frac{\overline{\Delta d}}{\lambda} \varphi^{-1} Pr^{-0,4} = f_2(\varepsilon) \left(\frac{\Gamma}{\Gamma^*}\right) \left(\frac{\gamma^*}{\gamma}\right) = \frac{1}{\text{Re}^{0.8}}$$
(21)

can be used. There are 3 figures, 1 table and 6 references: 2 So-viet-bloc and 4 non-Soviet-bloc. The references to the English-language publications read as follows: A. Colburn, Chem. Engng. Prog. No. 4. (1934); A. Colburn, E. Capneuter. "The effect of vapour velocity on condensation inside tube", General Discussion on Heat Transfer, London, 1951; J. Tepe and A. Mueller, "Condensation and subcooling inside inclined tube", Chem. Engng. Prog. no. 43, p. 267 - 268, (1943).

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Heat exchange during ...

ASSOCIATION: Tsentralinyy nauchno-ieledovateliskiy ketleturbinnyy institut imeni I. I. Pelsunova (Central Schennifi Research Boiler and Turbine Institute imeni I. d. ...

Polizunov)

SUBMITTED:

July 21, 1960

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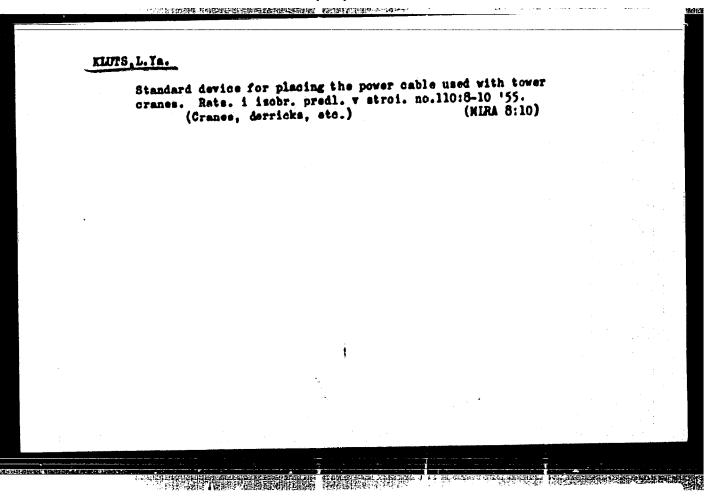
PITERSKOV, N., ingh.; RTAZANISEV, K., ingh.; IVLEV, N., ingh.;
KLUTS, L., ingh.; BARANOV, L., ingh.

Duty of every worker is to work without accidents. Okhr.
truda i sots. strakh. 6 no.6128-31 Je '63. (MIRA 16:8)

KILTS, L.; KOTLYAR, L.; CHUGUNKIN, P.; SURAY, I.; KHUGLEYA, V.

"You live wonderfully, comrades!" Okh.truda i sots.strakh. no.1: 48-49 Ja '60. (MIRA 13:5)

1. Reydovaya brigada shurmala "Okhrana truda i sotsial'noye strakhovaniye" (for all). 2. Tekhnicheskiy inspektor Moskovakogo gorodskogo soveta profesoyusov (for Kluta). 3. Inshener po tekhnike besopasnosti Rostokinskogo mekhovogo kombi mata (for Kotlyar). 4. Obshchestvennyy inspektor okhrany truda mekhanosborochnogo tsekha savoda "Elektroschetchik" (for Chugunkin). 5. Obshchestvennyy inspektor okhrany truda Vtorogo trolleybusnogo parka (for Suray). 6. Spetsial'nyy korrespondent shurnala "Okhrana i truda i sotsial'noye strakhovaniye" (for Khmeleva). (Moscow-Trolley buses)



THE MINISTER MARKET BEING THE PROPERTY OF THE

KOTLYAROV, Ye.L., insh.; KLUTS, L.Ya., insh, spets. red.; AZRILYART, Ya.M., red. isd-va; GILENSON, P.G., tekhn, red.

[Collected official materials on work safety for the building materials industry] Sbornik ofitsial nykh materialov po okhrane truda na predprijatiiakh stroitel nykh materialov. Moskva, Gos. isd-vo lit-ry po stroit., arkhit. i stroit. materialsm, 1961. 371 p. (MIRA 14:9)

1. Profesyus rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov.
(Building materials industry-Safety measures)

RYAZANTSEV, K.G.; KLUTS, L.Ya., spets. red.; TABUNINA, N.A., red. ind-va; RUDAKOVA, N.I., tekhn. red.

[Regulations on accident prevention and industrial hygiene in construction and assembly work]Sbornik pravil teklmiki besopasnosti i proisvodstvennoi sanitarii pri proisvodstve stroitel'nomontashnykh rabot. Moskva, Gosstrolizdat, 1961. 330 p. (MIRA 15:12)

1. Profsoyus rabochikh stroitel'stva i promyshlemnosti stroitel'nykh materialov.

(Building-Safety measures)

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RYAZANTSEV, K.G.; KLUTS, L.Ya., nauchn. red.; PATENOVSKAYA, M.I., red.; TARKHOVA, K.Ye., tekhn. red.

[Public control of labor safety in construction and in enterprises of the building materials industry] Obshchestvennyi kontrol' po okhrane truda v stroitel'stve i na predpriiatiiakh promyshlennosti stroimaterialov. 2, perer. i dop. isd. Moskva, Gosstroiisdat, 1963. 165 p.

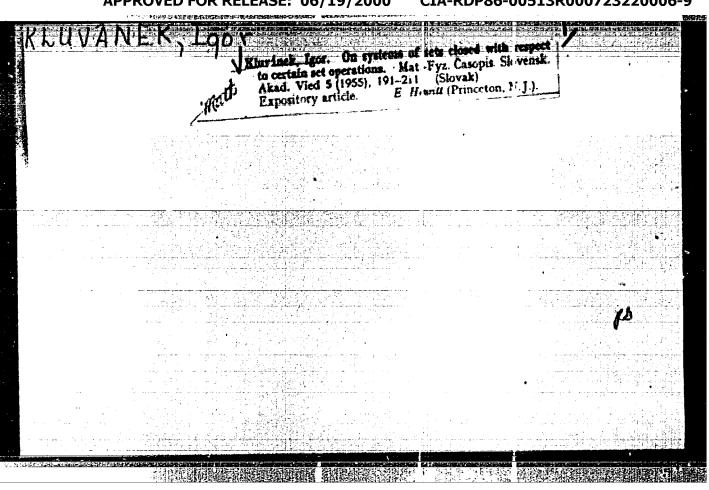
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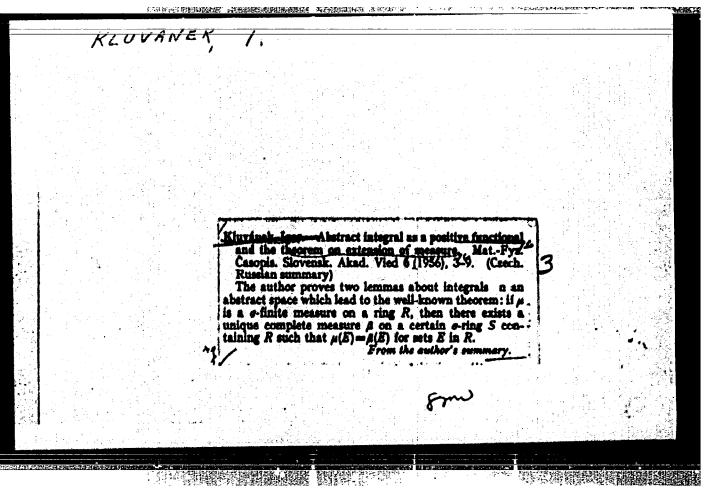
(Building--Safety measures)

SUDARIKOV, V.Ye., insh., red.; KLIFS. L.Ye., insh., red.; PAYLOV, S.M., insh., red.; BARANOV, L.A., insh., red.; PEVZNER, A.S., red.isd-va; RODIONOVA, V.M., tekhn. red.

[Construction norms and regulations] Stroitel'nye normy i pravila. Moskva, Gosstroiisdat. Pt.3. Sec.A. ch.11.[Safety engineering in construction] Tekhnika besopesnosti v stroitel'stve (SNIP III-A. 11-62). 1963. 102 p. (MIRA 16(8)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosudarstvennyy komitet po delam stroitel'stva. 2. Gosudarstvennyy komitet podenistrov SSSR (for Sudarikov). 3. TSentral'nyy komitet profsoyusa rabochikh stroitel'stva i promyshlennosti stroitel'nykh materialov (for Kluts). 4. Meshvedomstvennaya komissiya po peresmotru Stroitel'nykh norm i pravil Akademii stroitel'stva i arkhitektury SSSR (for Pavlov). 5. Nauchno-issledovatel'skiy institut organisatsii, mekhanisatsii i tekhnicheskoy pomoshchi stroitel'stvu Akademii stroitel'stva i arkhitektury SSSR (for Baranov). (Construction engineering—Safety measures)





KLUVANĖK. J.

Notes on the extension of measure.

p 108 (Matematicko-Fyzikalny Casopis.) Vol. 7, no. 2, 1957. Bratislava, Czechoslovakia.

SO: Monthly Index of East European Accessions (EEAI) IC, Vol. 7, no. 1, Jan 1958

KLUVANEK, I.

"Vector measure."

p. 186 (Matematicko-Fysikalny Casopis) Vol. 7, no. 3, 1957 Prague, Csechoslovakia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

The theory of vector measures. Mat fys cas SAV 11 no.3: 173-191 *61. 1. Katedra matematiky, Slovenska vysoka skola technicka, Bratislava, Gottwaldovo namesti 2.

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KLUVANEK, Igor

Representation of linear transformations in the form of integral. Mat fys cas SAV 12 no.4:241-245 '62.

1. Katedra matematiky a deskriptivnej geometrie, Elektrotechnicka fakulta, Slovenska vysoka skola technicka, Bratislava, Gottwaldovo namesti 2.

Some generalization of the Riesz-Kakutani theorem. Chekhosl mat shurnal 13 no.1:89-113 Mr ¹G. 1. Slovenska vysoka skola technicka, Bratislava, Gottwaldovo namosti 2.

KLUVANEK, Igor; RIECHAN, Beloslav [Riecan, Beloslav]

Some properties of the Bernoulli schemata. Mat fyz cas SAV 14 no. 2:83-88 '64.

1. Chair of Mathematics, Faculty of Matural Sciences, P.J. Safarik University, Kosice, Srobarova 57 (for Kluvanek).
2. Chair of Mathematics and Descriptive Geometry, Faculty of Building, Slovak Higher School of Technology, Rratislava, Gottwaldovo namesti 2 (for Riecan).

KLUVANEK, Igor

Sampling theorem in abstract harmonic analysis. Hat fyz cas SAV 15 no.1:43-48 '65.

1. Chair of Mathematics of the Faculty of Natur Sciences of Safarik University, Kosice. Submitted December 27, 1963.

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ORG: Department of Pathematics, Faculty of Natural Kosice (Katedra matematiky, Prirodovedecka Fakulta,	Sciences, P. J. Safarik University. Universita P. J. Safarik)
TITIE: Contribution to the theory of vector measure	03. II
SOURCE: Matematicko-fyzikalny casopis, no. 1, 1966	, 76-81
TOPIC TAGS: vector, measure, theory, mathematic spe	aco, group theory
ABSTRACT: Necessary and sufficient conditions are dering T or a sering S of a measure with values in a convex space X which coincides with a given measure generating T or S respectively. Based on author's	a linear topological locally with values in X on a wing
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TRNOVEC, T.; BENO, M.; ZBORIL, V.; RUSHK, V.; PLESKOVA, A.; KLUVANEK, P.

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Effect of intensification of the absorptive processes of bone tissue by vitamin A on the uptake of radiocerium. Bratisl. lek. listy 43 Pt. 1 no.91529-535 163.

1. Ustav bygieny prace a chorob s povolania v Bratislave, riaditel MUDr. I. Klucik.

(CERIUM ISOTOPES) (VITAMIN A)

(BONE AND BONES) (METABOLISM)

(FEMUR) (RATS)

KUBIK, S.; KLUVANIK, P.; PODOLSKA, L.

Diurnal variations of pyruvic acid in man at rest and during work. Pracovni lek. 12 no.7:336-340 S 160.

1. Ustav hygieny prace a chorob z povolania v Bratislave, riaditel MUDr. I.Klucik.

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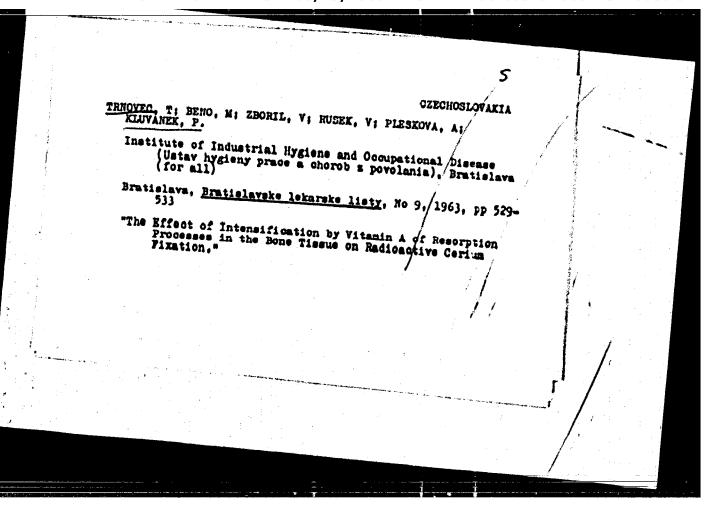
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UNICEA, P.; DURCEK, K.; MASARIK, S.; MINARIK, P.; za tech.spoluprace

Effect of technical shortcomings of roentgeno-diagnostic equipment on spreading of secondary radiations. Gesk.rentg. 15 no.1:30-36

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SCHWEITZER, P., HILDEBRAND, T., KLY/NOVA, H., GB MOROVA, J., GALAJDOVA, E., SIRKO, S.,; 1st. Internal Clinic, Hedical Faculty, P.J.Safarik University (I. Interna Klinika Lok. Pak. UPJS), Kusiue.

"Contribution to the Problem of the Relationship Between the Sympathoadrenal System and the Thyroid Gland."

Prague, Ceskoslovenska Pysiologie, Vol 15, Ro 2, Peb 66, p 102

Abstract: 8 healthy subjects, 9 patients suffering from neuro-circulatory asthenia, and 30 from thyrotoxicosis were used in an experiment to study the influence of blockage and tone increase of sympathicus on pulse frequency. The blockage resulted in a frequency decrease in the patients from 100 to 80-90, with no influence on controls. The orthostatic changes were in controls 77-91, in patients from 100 to 110-120. No references. Submitted at "16 Days of Physiology" at Kosice, 29 Sep 65.

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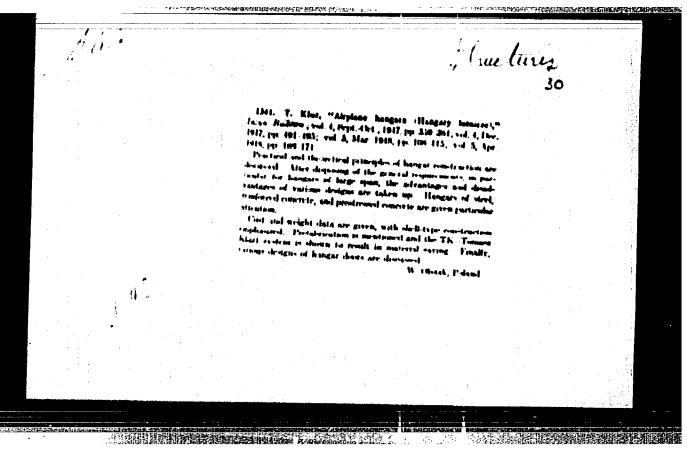
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nventigating air turbines for metal greying touliment with
centrifugal friction regulators of the wire feeding speed. Trudy
VNIIAviogen no.10:118 231 102.

(MIRA 17:10)

RIGITEVA-YABLOKOVA, T.B.; RAKHIMOVA, N.O. Effect of the conditions of preparation of the productive strain on the quality of BOO vaccine. Trudy IEMS no.8:256-262 '61. (MIRA 17:2)



KLCZ, T.

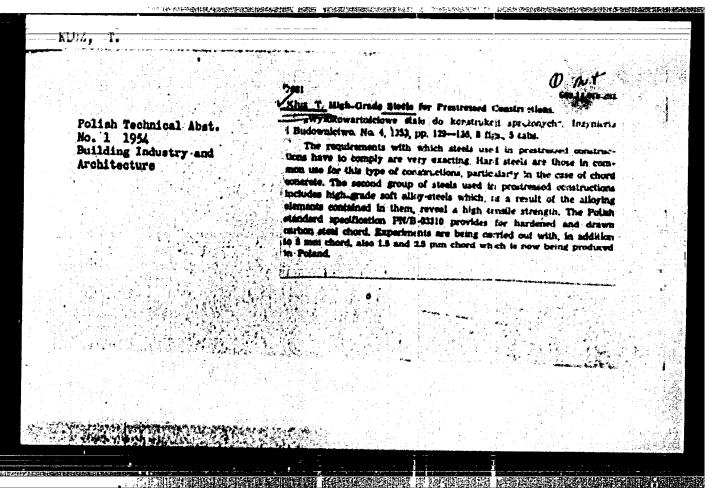
Klus T.

Klus T., Prof. "Use of Reinforced Concrete Elements in Halls." (Zelbetowe elementy w sastosowaniu do hal). Presglad Budowlany, No 10-11, 1949, pp. 415-420, 1 fig. 2 tabs.

A disadvantage in reinforced concrete constructions is the high cost of wood used for boarding and scaffolding. A considerable decrease in wood consumption can be obtained by using stock-size scaffolding and boarding and by using ready - made concrete or reinforced concrete elements. Possibility to lower the relatively high cost of 1 m₃ of thin-walled ready-made reinforced concrete structure. A comparative list of materials in arched reinforced concrete roofs with a span of 12, 18, 24, 30, and 36 m, and a table of cost for similar spans. The examination includes in both cases construction with board skeleton, and the "TK" (partly fabricated) construction. Finally the author gives his proposals and advice with an interesting view on the problem of saving wood which is in short supply.

SO: Polish Technical Abstracts No. 2, 1951

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Kluz, T.A				
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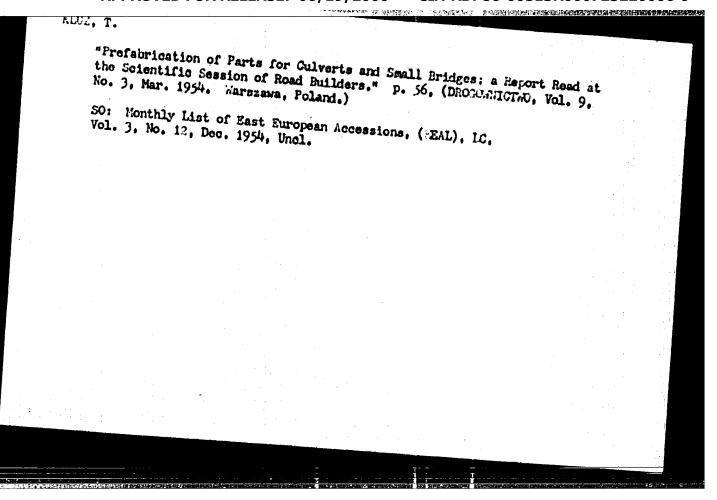
"Some Remarks Concerning the Method of Designing Concrete Ingredients Based on Diagrams and Numerical Tables as well as on Grading Index Number." p. 252 (Inzyniera I Budovniotwo, Vol. 10, No. 8, Aug. 1953, Warszawa)

SO: Monthly List of East European Accessions, Vol. 3, No. 6, Library of Congress, June, 1954, Uncl.

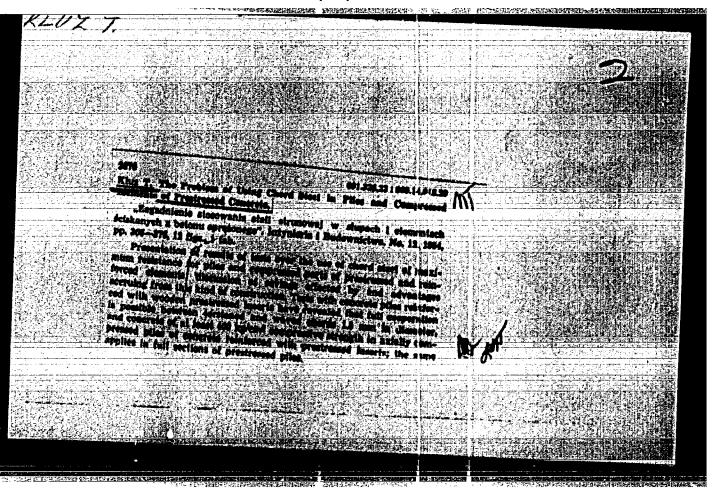
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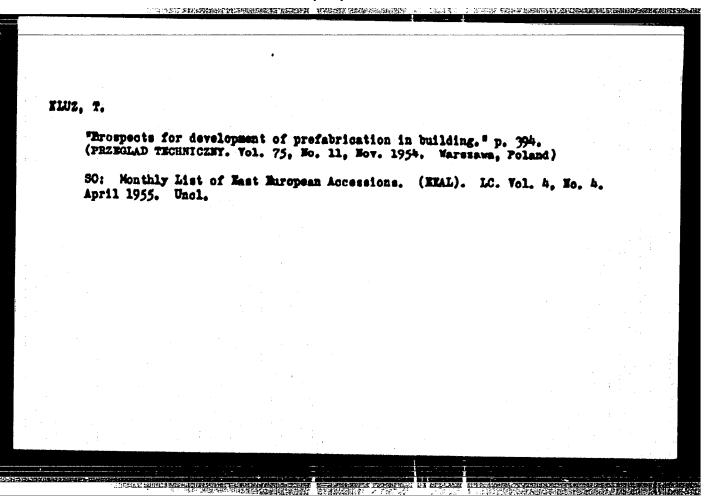
"High-Strength Concrete for Prepressed Concrete Constructions." p. 391 (Insynters I Budownictwo, Vol. 10, No. 12, Dec. 1953, Warssawa)

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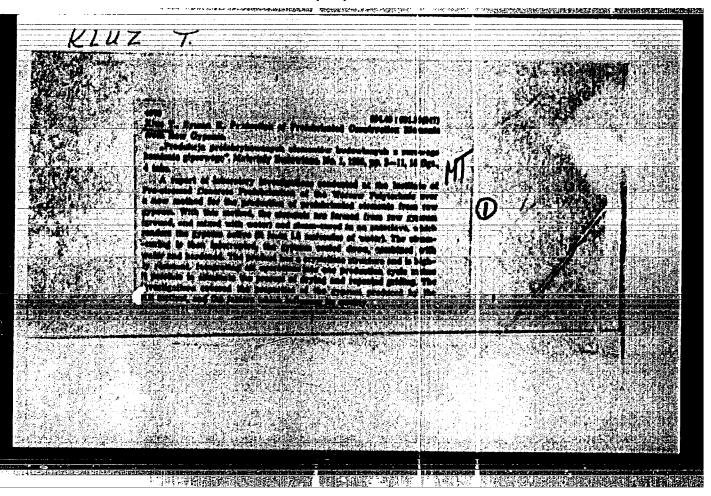


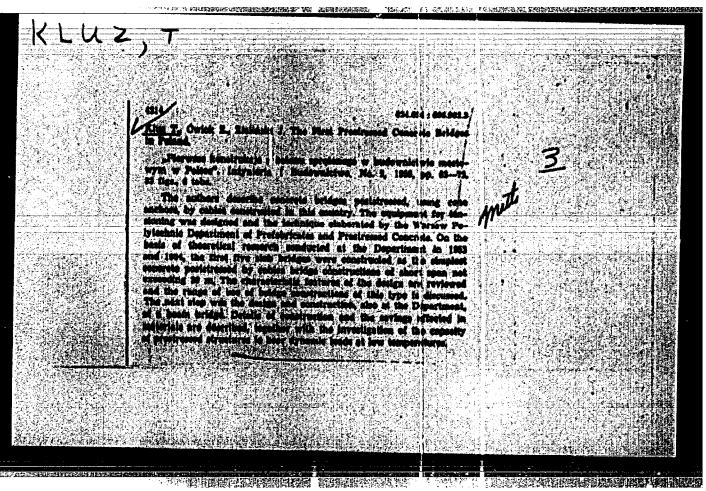
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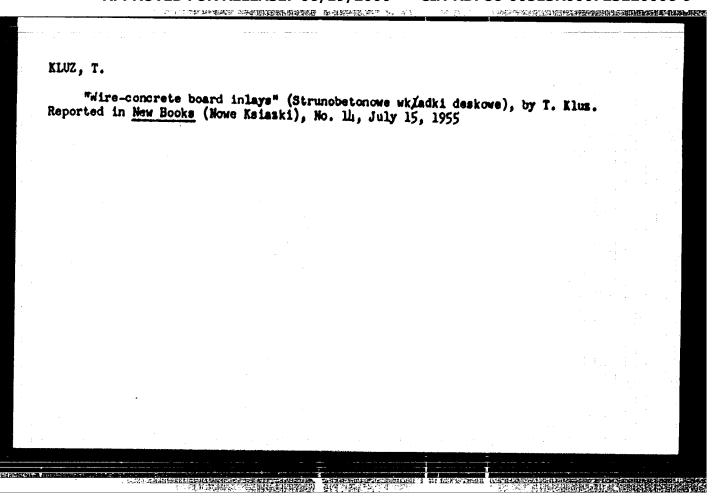
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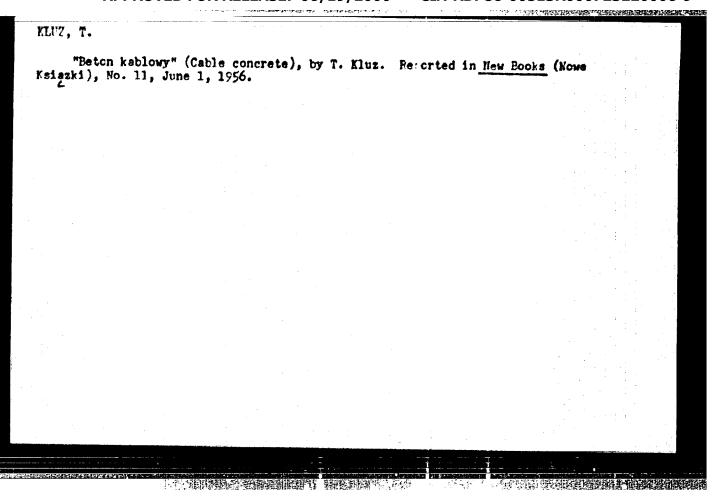
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Author : Tomess Design

Inst : Not given

Title : Study of Reduced Cycle of Thermal Treatment of Concrete

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Orig Pub : Ins-ia i budown., 1957, 14, No 5, 181 - 188.

Abstract : Laboratory experiments with a reduced cycle of steaming and autoclave treatment of concrete specimens were carried out. 3 hour steaming in closed moulds at the temperature of 75° permits to obtain 36 to 65% of R28 one day later,

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Inst Title

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Elements under Tension.

Orig Pub

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Abstract

: Studies were made of fire proofness of small beam specimens of wire reinforced cements, (3 x 5 x 25 cm in size) subjected to an axial load. It was established that in the presence of a 10 mm protective layer the specimens withstood a 4 hrs. heating cycle at 6000c without marked external changes, or crack formation. The reinforced coment element's strongth was lowered by 45% upon heating to 600°C, as compared to the strength of unheated

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> specimens (basalt-filled coment specimens). Precompressed cement beams were found to be considerably more fire proof than non-stressed specimens. At 200°C the length of wires was reduced which resulted in lower stress of the element.

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